











# The Calcutta University Magazine.

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PUBLISHED BY  
RAJENDRALAL GANGULY,  
**1-A, College Square.**

PRINTED BY BHOBOTARAN MULLICK OF S. MILLER & CO.,  
196, BOW BAZAR STREET, CALCUTTA.  
1910.

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GOVT. MEDICAL DIPLOMA-HOLDER

## KAVIRAJ NAGENDRA NATH SEN,

Member of the Society of Chemical Industry, London;

Chemical Society, Paris; Chemical Society (America.)

18-1 & 19 LOWER CHITPUR ROAD, CALCUTTA.

# Calcutta University Magazine.

Vol. XIX, No. 6.

AUGUST, 1910.

## NOTES AND COMMENTS.

**Principal James' Address to his College Students:**—Assembled in the hall of the Calcutta University Institute, the students and professors of the Presidency College inaugurated the new session's work with an address from their Principal. The function was significant as marking a very welcome departure in the right direction. Principal James had given a similar address to his College once before, so that this annual address promises to become a regular occurrence in the Presidency College. One wishes only that it might be a regular occurrence in all the Colleges; and that it might come, with some little variations perhaps, more than once in the course of the year.

Genial and full of life were the words he spoke, simple and direct, coming from the heart and touching the heart. Words about the work which had just been done, and the work which lay before the College students, their methods of study, their strivings for success, the lessons of failure. Then he proceeded to the larger significance of College life, as compared with the life of the isolated student, its larger interests and wider and higher obligations, the duty and privilege of loyalty to the College, loyalty which, in its highest as in its etymological sense, means *obedience to law*. Passing on to a still broader point of view he spoke of loyalty as a sentiment that ennobles, and purifies, and opens out the highest possibilities of life, of loyalty to the State and loyalty to God. There was one personal touch that gave an additional impressiveness to his appeal to his audience to do all in their power to keep misguided youths away from crime. Mr. Jackson, the lamented victim of the Nasik murder, was an intimate friend of Principal James since the days of childhood, having been a fellow student in the Westminster School, "a man of a quiet and contemplative disposition," said



Mr. James, "more eastern than western in his temperament and frame of mind." There could not have been a more impressive commentary upon the peculiarly revolting character of a crime like this, because it is so blind, so absolutely unthinking, so much an offence not simply against a single individual but against all humanity than what Mr. James said about this incident, and more perhaps, than what he left unsaid.

**New Regulation about the Plucked Students :—**The Senate has, on the recommendation of the Syndicate, adopted a modification in the regulation which required plucked students to attend a further course of lectures for one year in order to be allowed to appear at the same Examination again. The regulation, as thus altered, provides that for B. A. and B. Sc. students a fresh attendance will not be compulsory, while for plucked students at the Intermediate stage, both in Arts and Science, attendance will be compulsory but only in such particular subject or subjects as the Principal of the College to which the student belongs may specially choose for him. The new rule is now awaiting the sanction of the Government of India.

**I. Sc. Students going up for the B. A. :—**The Senate, on the recommendation of the Syndicate, has also done its best to give some relief to those I. Sc. students who, for want of room, fail to get admission into the B. Sc. class of any of the few Colleges that are so far affiliated up to that standard. In modification of the existing regulations, they will be allowed to take up the B. A. course on condition that before being admitted to the B. A. Examination, *i. e.*, at the end of the Third year, they will be required to pass in one of the Intermediate in Arts subjects other than Mathematics included in Group A. This may be dispensed with in the case of students who take up either Physics or Chemistry for the B. A. Examination. The relief would certainly come in a more welcome form if the condition could be dispensed with in the case of all students, but that would require a radical change in the regulations for which we must yet wait. This recommendation also is awaiting the sanction of the Government.

**The King Edward Memorial Scheme :—**If the King Edward Memorial Committee decides to give the memorial the shape of a Hostel or a set of hostels for students, it would, it seems, at any rate, be laying the foundations of the memorial deep in the hearts of an appreciative and grateful lot. The meeting of students held at the Institute to support

the scheme was markedly enthusiastic about the matter. When some years ago, the question of an improvement in students' residence was brought to the front as a part of University reform, its importance was not yet properly appreciated. What has been done in that direction in the interval, though not much, has at least opened men's eyes, and the eyes of the students themselves most of all, to the urgent, imperative necessity of providing better housing and better food as well as supervision and guidance for the students. A Memorial in this particular form would undoubtedly meet a serious, and very deeply felt want, and as forming a nucleus for further developments in future, would produce beneficial effects that would be cumulative and better appreciated from generation to generation. A hospital would undoubtedly appeal to the instinct of benevolence, but in as much as to promote life and health in the young is to prevent disease and suffering in multifarious forms, a scheme for providing healthful residence for the young has no less claims upon the consideration of those who are in a position to make it a reality.

**Centralized or Scattered Hostels :—**We recognize that opinion is a good deal divided on this point, yet we may be permitted to set forth the considerations that appear to us to give a decided advantage to the centralized scheme. First, it would undoubtedly be more fitting as a Memorial to a great Emperor, than to have a number of houses scattered here and there. In the next place we should have healthier houses, with better ventilation, more space, if we had the houses together, one big compound serving for all, than if we had the houses scattered in narrow streets and lanes. And hence it would also be more economical. The only question that remains is the practical one of finding a central position which would be near enough to the majority of colleges. Fortunately, this practical question is at once solved by pointing to the neighbourhood of Marcus Square as the spot that possesses almost ideal qualifications for the purpose in view. A central play ground, with blocks of buildings all round, so near to many of the colleges, with unbounded opportunities of free mixing and intercourse between students of different colleges, all the bustees cleared, with possibilities in the future of all the bustee lands between Marcus Square and Presidency college being acquired for college or University purposes, turning this part of the City from the Medical college to the Scottish Churches college, with the Senate House, Law college, City college, Presidency

college, Metropolitan, and Bethune college lying between, into a small University town, and making the College Street in reality what it was perhaps anticipated to be ; this certainly is an attractive and glorious prospect. As regards the question of expense, the expense of acquiring scattered pieces of land in the neighbourhood of each of the Colleges would perhaps be very much greater than that of acquiring a continuous big plot of land in the vicinity of Marcus Square.

**Ourselves** :—We are deeply indebted to a kind friend for the tables of figures showing the comparative results of the last University Examinations in respect of the different colleges, which we publish in this issue and which we dare say will be found interesting. We also publish in this issue the reports of the under-secretaries for the various departments of the Institute which have been submitted at the beginning of the new session, when there has been a fresh election of under secretaries, some of the under-secretaries for last year being re-elected.

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## THE LATE SIR CHARLES ALLEN.

*(Full report of the Hon'ble Mr. W. C. Macpherson's speech at the Institute memorial meeting held on Saturday, the 16th July, 1910.)*

I am glad that it was thought fit by your Executive Committee that I should preside over this meeting and propose the first Resolution, because the late Sir Charles Allen was one of the greatest friends I have had in my life.

Many of you knew what manner of man Sir Charles Allen was, outwardly and inwardly ; but all may not have known him ; and I think that you will all have patience with me while I describe him as I knew him.

In appearance he was a tall broad-shouldered man, of good presence, with very blue eyes, clean shaven, and boyish in face almost to his last years, with a very pleasant voice, and with a very sunny and cheery smile and manner.

His father and mother both died while he was a child and as a child he was brought up in the west of England by a kind aunt, the wife of Dr. Goodeve, who, two generations ago, was well known in Calcutta and whose bust is in the Medical College here.

Charles Allen had his school and college education at Haileybury, one of the famous English public schools, and at Balliol College, Oxford.

All his life he was fond of athletics and all games and he rowed an oar in his College boat.

He passed by open competition into the I. C. S. in 1884 and came to Bengal the next year, i.e. in 1885, at the age of 21 and here he served nearly 25 years. He was not quite 46 years old when he died 3 months ago at Darjeeling from a sudden illness.

His most important official work was done in Chittagong, where he served 10 years, in the 24 Perganas, where he served as District Officer for 3½ years and in Calcutta, where he served 5 years as Chairman of the Corporation.

In Chittagong he succeeded his friend Mr. Slacke in charge of the work of settlement of the Land Revenue and he was the officer chiefly responsible for the settlement of rents of over half a million tenants.

I first became acquainted with him when he was a young officer in Chittagong. At that time I used to visit Chittagong twice a year, to inspect the progress of the settlement and I spent many days in camp with Charles Allen, riding, driving and boating, and always found him keen and enthusiastic and resourceful in his work. The intricate work of record of rights in Chittagong had been declared by Sir Charles Elliott, a Lt. Govr. who had been a Settlement Officer, to be a work well-nigh impossible, but Charles Allen accomplished it satisfactorily and during his service in Chittagong he entirely gained the confidence and affection of the people.

In the 24 Perganas he was a zealous and sympathetic District Officer and he is well remembered in that District, both as a good administrator and for special acts of individual kindness, which were recalled in the newspapers shortly after his death.

In Calcutta, as Chairman of the Corporation, he was an ideal President in meetings and Committees, sound in judgment, with perfect command over himself, ready in debate and clear in expression and able to disarm opposition by conciliation and fair treatment of opponents and by what has been called the saving grace of humour. He accomplished much good work in the City and his services in the City's cause were rewarded with the honour of Knighthood.

He left the Chairmanship of the Corporation to take up the post of Chief Secretary to the Bengal Government ; and after a brief holiday he had just resumed charge of that office when his last illness overtook him.

This is a brief tale of Sir Charles Allen's distinguished career of official work.

But in addition to his official work he did much work besides. As an instance of work done outside his Department, I would remind you how two or three years ago, the E. I. Ry. authorities invited Sir Charles Allen's aid and advice at the time of the strikes on the Railway, in settling their disputes with their employees. In this matter Sir Charles Allen's power of gaining confidence was of substantial help towards effecting an understanding and agreement.

Sir Charles Allen was indeed a many-sided man. He was one of the founders of the Calcutta Club, an Institution which has done much to promote friendly social intercourse and good feeling between Europeans and Indians. He became a Freemason in middle age and threw himself into Freemasonry with great enthusiasm. He was a founder and I think a Master of Lodge Good Fellowship and nearly the last speech that he made in his life was made at a Freemasons' Banquet in praise of the principles of Freemasonry and charity and good fellowship.

I cannot say of how many Associations and Institutions and Committees he was a member in this city. In such Associations he helped to advance many a good cause and used his opportunities to the full. He was a Christian and gave of his time and strength and money helping in many ways the work of the Church and Christian Associations. The Hospitals of Calcutta also lost a good friend in Sir Charles Allen. In many of his good works he had invaluable help from Lady Allen who was in all respects a worthy helpmate.

Sir Charles was deferential in manner to older men, courteous to his contemporaries and kind and considerate to young men. He was a lover of children and very courteous and gentle to women of all ranks of life.

He was trusted by his superiors and colleagues and beloved by his subordinates and many personal friends. At a meeting held in honour of his memory in Darjeeling, I ventured to say of him that he had been the most popular man in recent times in Bengal ; and I think that the reason for his popularity lay not only in his attractive manner

and sympathetic disposition, but also in his high ideals of life and duty, both official duty and outside his official work. His life is well worthy of imitation and it deserves to be commemorated in Calcutta. In fact the people of Calcutta and his own brother officers in Bengal generally have been solicitous for his memory; and several memorial funds have been opened by various bodies of the community.

Sir Charles Allen was a member of this Institute and took a very friendly interest in its welfare. He was for some years a President of the Athletic Section and I have a clear recollection of the fun and good humour with which he marshalled the students for the competitions at the first garden-party given by Sir Edward Baker at Belvedere to the junior members of the Institute.

It is very fitting that his life services to students should be commemorated in the Institute.

## Report of the Under Secretaries for the Session 1909-10.

### Report of the Rowing Club.

In March last year the the C. U. I received the present of two jolly boats from Mr. R. N. Mookherjee, C.I.E., our Hony. Treasurer. The boats were supplied with all necessary fittings and accessories and the Institute will ever remain grateful to him for the very valuable and serviceable presents.

During the session 1909-10 a few oars were broken but an addition of 8 oars was made to the boat accessories.

Soon after the election of the under-secretaries a subcommittee of 8 members was formed to frame rules for the rowing club.

The rules were drawn up with much care, most of them being suggested by the under-secretary himself. In no other year have the rules been so excellent or so well observed. One of the greatest advantages to the members of the rowing club arose from the rule that the boats could be taken out for rowing at any hour after one o'clock provided that a member of the Supervising Committee desired it. This Supervising Committee consisted of 15 members elected

at a meeting of the members of the rowing club. They exercised a wholesome and restrictive influence over all the members of the Rowing club.

The members who joined the Rowing Club in this session numbered 122 whereas there were only 36 members in the previous session and at present (in the session 1910-11) the number is only 34. The percentage of the number of members of Rowing club to the number of Junior members in the three years is as follows.—13% in 1908-09, 28% in 1909-10, and 17% in 1910-11.

The members of the Rowing club displayed the greatest enthusiasm this year, the attendance sometimes rising to 25 though the average attendance was about 20 a day. A few senior members also sometimes used to take part in the rowing.

The most important event of the session was the swimming test held on the 20th November under the very kind supervision and direction of Dr. Gray of the Y. M. C. A. in which 22 members appeared and every one satisfied the test. Such a test was necessary in order to see whether a rule—which provided that only those who know the art of swimming would be admitted as members—was being properly enforced or not. A supplementary test was proposed to be held later on but on account of the winter season this could not be held. The list consisted of three events which effectually tested the members' ability to swim, to handle a man in the water and so on.

Two attendance registers were kept for the boats throughout the session in order to record the daily attendance of the members.

We obtained occasional permission from the general Secretary during the session to use the boats in the morning and a moderate number of members gladly availed themselves of this permission.

The subscription for the rowing club was Re. 1 for the previous year but this year it was changed to 8 as. per year. The thanks of the Rowing club are due to the Executive Committee for this very reasonable change.

My best thanks are due to my colleagues for the constant help I have received from them as well as to the members of the Supervising Committee, many of whom were also under-secretaries. And above all I have to thank the General and the Deputy Secretaries for the valuable suggestions and advice I have constantly received from them.

CHARU CHANDRA BASU,  
*Under Secretary.*

## REPORT

### OF THE Magazine Section,

Previous to the election of the undersecretaries for the last session, great irregularities used to take place in the issue of the Calcutta University Magazine : It was contemplated even not to attempt to bring it out for some time, at any rate till satisfactory arrangements could be made on a stable footing to secure its regular appearance. From September, 1909, the Magazine went forth in all reality as a University Students' Magazine, written by students for students.

The Magazine has appeared regularly every month from September, 1909, to July, 1910, with the exception of the months of May and June, 1910, during which the Institute remained closed for the Summer Vacation. There were consequently no May and June numbers of the Magazine, according to the custom followed for the last 18 years. A word or two might be said here about some special features of the Magazine. A section, headed "In the Study", was specially devoted to the study of English poems, and five essays appeared in this section. Another section—"In Lighter vein"—was also opened, and of the 9 contributions under this heading, the three which deserve special mention are—"The Senate House", "The Belvedere Garden Party", and "My First Comet."\* College notes from different colleges of Calcutta appeared in the issues for September and October. All the numbers from October to July were opened by a few pages under the heading "Thoughts and Observations". The poems that appeared in the Magazine, exclusive of the parodies under the section "In Lighter Vein", numbered five. Reviews of books appeared in the months of December and January. Probably the best papers were the critical ones—"Byron's Cain : A Study", "Some Aspects of Wordsworth's Poetry", "Poetry and the Scientific Movement". The July number contained an appreciative paper from the General Secretary on the late King Edward, and two selections from the *Truth* and the *Punch*—"The Empire's Farewell" and "To his Majesty King George".

I cannot say for certain whether I have been able to make this Magazine a little interesting for those for whom it is intended, or whether the change inaugurated in this session has lowered the value of the Magazine. I have to offer my sincerest thanks to the General Secretary for the care and attention which he

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\* The modesty of the writer has prevented his mentioning some of his own contributions which certainly deserve a "special mention,"—e. g.—"Caliban on Calculus," and "Specimens of Style."



has always devoted to the Magazine and for the manner in which he has given me encouragement and advice whenever necessary. I have to confess here that the confidence which I took charge of the Magazine, believing it would not be difficult to find contributions from students, has not been adequately justified in the last session. Owing to the heavy pressure that fell on me on account of the dearth of contributions, I could not bring out the Magazine early in every month as I had expected, and the Press tried its best to delay the publication as much as possible. However, it is a matter of real congratulation that the numbers were issued at least within the limits of each month. It is to be expected that during the Session 1910-11 students will come forward in greater numbers as contributors of the Calcutta University Magazine, and thus insure a greater punctuality in the issue of the Magazine than has been possible in the last session.

KSHITIS CHANDRA SEN.

*Under Secretary.*

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## REPORT

OF THE

### Social Entertainment Department

*To the Secretary C. U. Institution.*

SIR,

I beg to submit herewith the report of the work in the Department of Social Entertainment during the last year.

During the past year I with my humble abilities tried my utmost to do my duty and it remains with you and the whole body of junior members to judge if my efforts were of any use at all. The Department in charge of which I was placed seemed to me and does seem to me even now to be perhaps the most difficult and hard-working one, as the man in charge was to look out as to how to please—to provide proper amusement for so many members of light and learning. And this fact alone perplexed me many a time. Another difficulty was that the Institute was too poor to grant money to provide refreshments for the members at social gatherings and this complaint I had to receive many times.

Now in this connection, I shall be wanting in my duty if I forget here to gratefully acknowledge the many advices and directions and the kindly treatment I received from yourself throughout and it was to me really a pleasure to work under you.

I now submit herewith a brief report of my work during last year. There were altogether five gatherings besides the Dramatic performance of "Kuru-kshetra" which latter in its second performance was solely in my charge.

*The first Social Gathering* held was on the 28th September 1909, when Prof. Enayat Khan delivered a learned lecture on music. Poet-master Rabindranath Tagore presided. The meeting was a grand success, special attractions being the play of Jalturanga by the said Professor and a song by Babu Rabindranath.

The next entertainment was the *Annual Steamer Party* which came off on 28th November. Over 300 junior members and a large number of senior members passed a pleasant afternoon on S.S. the "Howrah" which went steaming as far as Uluberia and reached back at Chandpul Ghat at 6-30 p. m.

Then the *Entertainment to the matriculation candidates* : Sir Gooroodas Banerji presided. That musical prodigy Madan Mohan of 4 years charmed the audience—among whom his portrait was distributed. Prof. Watt demonstrated some experiments on Electricity.

The *Belvedere Garden Party* was undoubtedly a splendid success and all the members enjoyed it most. The dainty dishes, the many gymkhana events, the prizes so kindly given away by the great Host and Hostess, and above all the very sympathetic and open-hearted treatment of Sir Edward and Lady Baker—all these remain fresh in our memory.

The *Social Gathering* held on the 13th July was the last entertainment in my time. Sir Gooroodas Banerji presided. Among the speakers were, besides the chairman, Dr. S. K. Mullic, Prof. J. R. Banerji, Prof. W. C. Wordsworth, M.M. Satis Chandra Vidyabhushan and Prof. B. N. Sen. The good singer Debendra Chakrabarti charmed the audience with the songs of Poet Rajani Kanta. The entertainment ended with the successful performance of "Baikunther Khata"—a comic sketch by poet Rabindranath. Mr. J. N. Bose also entertained the audience with a charming comic song. For fuller report please refer to a separate full Report of the social Entertainment Department 1909-1910.

AMULYA RATAN CHAKRAVARTI

*Under Secretary.*

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## REPORT

OF THE

### Working of the Students' Fund.

*July 1909—June 1910.*

**Applications.**—Altogether 44 applications have been received during the session under report of which 5 were rejected as the committee were not in a position to give the applicants any monthly help. Another application was rejected as the applicant could not produce any certificate when asked by the Committee to do so.

Help was given to the remaining 38 applicants. Of these 38 applicants eight have been helped with University Examination fees; six have been given monthly help to the average amount of Rs. 9 per month. The remaining applicants have been helped with text books and occasional help in the form of School fees.

**Income.**—There were 18 donors in the list, their donations amounting to Rs. 121.

There were 51 subscribers, their subscription amounting to Rs. 86 2 As.

There was a charity performance of "Kurukshetra" the net income of which (after meeting expenses) Rs. 236-7 As. 3 pies has been credited to the Fund.

Opportunities have been taken of marriage and other ceremonial occasions in the families of members of the Institute and other well-wishers of the Fund to realise donations in aid of the Fund.

New and second hand books have been received from time to time in aid of the Fund.

#### Abstract Statement of Accounts.

			Rs.	As.	P.
<i>Receipts</i>	...	Balance of last year's account	...	63	5 0
		Proceeds of the Charity Performance	236	7	3
		Donations	...	121	0 0
		Subscription	...	86	2 0
		Total	...	506	14 3
<i>Expenses</i>	...	Paid to applicants in Cash	...	272	8 0
		Purchasing books for applicants	79	1	6
		Postage, etc	...	1	15 3
		Contingency	...	5	10 6
		Total	...	359	3 3
<i>Balance in hand on the 30th June 1910.</i>			Rs.	147	11 0

**The Committee.**—The committee of management held 12 meetings in all, of which four were ordinary and eight extra-ordinary.

The constitution of the committee on the 30th June was as follows :—

PROF. B. N. SEN, *President*.

SJ. GIRIJA SANNYAL, M.A.

„ KSHITISH CHANDRA SEN, B.A.

„ KULADA PROSAD MULLICK, B.A.

„ AMAL CHANDRA SEN, B.SC.

„ AMULYA RATAN CHAKRABARTY, B.SC.

Sj. PRABHAT CHANDRA MITRA,  
 „ DURGA CHARAN MITRA,  
 „ ANUKUL CHANDRA SANNYAL,  
 „ AGHORE NATH GHOSH, *Secretary.*

The work of the committee and the Fund under its management has increased so much since its first establishment in 1908 that I have found it impossible for me to work for the fund to my own satisfaction without interfering with my other duties, sometimes even my studies. I take this opportunity to suggest that the authorities would do well to depute one of the members of the Students' Fund Committee to help its secretary in his work.

Any one wanting to know the details of the report of the work done during the session under review will please enquire at the office.

**Conclusion.**—In conclusion I beg to state that up to this time the help extended to the fund by the Junior members of the Institute has been far from satisfactory. The Institute had during the session under review more than 400 members whereas only 51 subscribed to the Fund. This state of affairs, I think every one will admit, is far from satisfactory.

Taking into consideration the minor unnecessary expenses which we incur in our daily life is it too much to expect every one of the Junior members to subscribe according to his ability—to the fund—the minimum subscription of which is only two annas a month.

Besides this pecuniary help, another thing is expected and wanted from the junior members and this is sympathy and co-operation. Every member should recommend the fund to his friends and see that the fund gets their sympathy and support.

The demand on the resources of the fund has been during the session under review four times more than the income and in many cases we have to turn a deaf ear to the applicants simply for want of funds. I hope that in the coming year with the united help, sympathy and support of all the junior members the committee will be in a position not to say “no” to those who apply for help.

Before I conclude I beg to take this opportunity to thank all the members of the committee for their uniform courtesy and support, as well as those members and non-members who worked with me to make the last year's charity performance so splendid a success.

AGHORE NATH GHOSH,

*Under Secretary*

## REPORT OF THE Athletic Department.

During the year under review we acquired full right to use the Marcus square play ground for all games. Last year we played Tennis only. This year we played Tennis and are at present playing football. I am sorry that only a microscopic minority of our members avail themselves of such splendid opportunities open to the members of the Institute. I believe nowhere in Calcutta such openings are offered to the students to acquire a taste for sports. In any other club they would be charged 8 Annas or a Rupee per month. We don't charge a farthing. Our boys played Badminton at the College square and I am glad to note that it became at the fag end of the season a self-supporting section of the Athletic Department. We also played Tennis at College square. A new net was purchased for the purpose. An attempt to run a Tennis tournament failed. Perhaps it was ill timed, just before the summer holidays. It may also be due to the lack of interest on the part of our members' in matters athletic.

Our old Ping-Pong table after a spell of active service, has been pensioned off. It has not yet been replaced. I humbly invite our Secretary's attention to this.

JOGES CHANDER BOSE.

*Under Secretary.*

NOTES BY THE HONORARY DEPUTY SECRETARY.

Of all the advantages offered by the Calcutta University Institute, its provision for games ought to have been the most popular. The attraction of the Library and the reading rooms of the Institute, many have slightly diminished owing to the creation of the College common rooms. But the sports provided by the Institute are likely to meet a want of the student community which is daily increasing, on account of the increasing demands made on them by the growing complexities of their studies. It is therefore a great pity that the junior members of the Institute do not seem to be quite alive to the needs of Physical Culture. The attention of our younger members is especially invited to this aspect of the question. Many of them have come to Calcutta for the first time, leaving behind them the freshness and the sportive mirthfulness of country life. A draught of open air and a free exercise of their limbs in the afternoon will do far more good to them than an hour of study in the blinking twilight of the closing evening. They will undoubtedly bring down the doctor's bills, and serve to prolong life. The Institute, so far as I know, is quite prepared to meet the increasing demands of the Games section and the junior members should not let such an opportunity slip by.

**REPORT**  
OF THE  
**Library and the Reading Room.**

During the session 1909-10, 22 books have been added to the library of which twenty volumes are in English and the rest in Bengalee. Most of these have been received as presents. More notable of the additions are Smith's Early History of India and Sir Goorudas Bannerjee's well-known জ্ঞান ও কর্ম। The number of subscribers to the Library is on the increase, being at the end of July, 54, as opposed to 42 of the last year. The demand for books has also increased, 10 to 15 volumes being issued daily in the reading room. The number of daily attendance of members ranges from 40 to 50.

SISIR BHADURI.

*Under Secretary.*

# The Last University Examinations—Comparative Results.

CALCUTTA UNIVERSITY—*Intermediate Examination in Science 1910.*

Serial No.	Name of Colleges.	Number appeared.	Passed in Division.			Number failed.	Aggregate achievement.	Percentage of success.	REMARKS.
			I.	II.	III.				
1	St. Columbus' College Hazari-bagh. ...	1	1	...	...	...	4	100	
2	Cotton, College, Gauhati ...	9	4	4	...	1	23	66.7	
3	Presidency College ...	87	35	28	...	24	172	56.3	
4	Patna College ...	21	6	11	1	3	44	55.9	
5	Scottish Churches ...	54	19	16	2	17	93	50.9	
6	Rajshahi College ...	23	5	9	...	9	29	41.3	
7	Krishnagar College ...	12	2	5	...	5	13	37.5	
8	Jagannath College, Dacca ...	29	6	7	...	16	22	32.7	
9	Ravenshaw College, Katak ...	23	4	4	...	15	9	26.0	
10	Dacca College ...	24	3	6	1	14	11	26.0	
11	St. Xavier's College ...	32	2	11	3	16	17	25.8	
12	Krishnnath College Berhampur ...	42	5	10	2	25	17	25.0	
13	Victoria College, Cooch-Behar ...	23	5	9	...	9	29	41.3	
14	City College ...	85	8	23	3	51	30	23.8	
15	Ripon College ...	36	4	8	...	24	8	22.2	
16	Bangabasi College ...	73	5	21	...	47	15	21.2	
17	Hugli College ...	18	2	2	...	14	2	16.7	
18	Metropolitan Institution ...	89	6	15	3	65	8	16.0	
19	T. N. Jubilee College, Bhagalpur ...	11	1	1	1	8	1	15.9	

## CALCUTTA UNIVERSITY—*B. Sc. Examination—1910.*

No.	Name of College.	Appeared for		Passed.				Unsuccessful.	Aggregate achievement.	Percentage of Success.
		Honour.	Pass.	1st Hon.	2nd Hon.	Distinc.	Ord			
1	Scottish Churches College	5	23	...	3	5	7	13	13	39.3
2	St. Xaviers " ...	1	10	...	1	2	1	7	1	33.3
3	Patna " ...	...	2	...	...	...	1	1	...	25.0
4	Presidency " ...	56	54	3	7	7	29	64	2	22.8
5	Dacca " ...	6	11	...	2	...	4	11	1	21.7
6	Bangabasi " ...	...	5	...	...	1	...	4	2	20.0
7	Krishnagar " ...	...	12	...	...	1	1	10	7	12.5

No.	Name College.	Appeared for		Passed.				Unsuccessful.	Aggregate Achievement.	Percentage of Success.
		Honour.	Pass.	1st. Hon.	2nd. Hon.	Distin.	Ord.			
1	Bishop's College ...	2	2	1	1	...	...	2	5	58'3
2	Rangoon „ ...	2	10	1	1	1	5	4	10	50'0
3	Bethune „ ...	...	4	...	...	...	4	...	4	50'0
4	Presidency „ ...	34	50	3	19	3	29	30	74	44'06
5	Victoria College, Cooch Behar ...	3	9	...	3	...	3	6	6	40'0
6	Krishnagar College ...	...	4	...	...	...	3	1	2	37'5
7	B. B. College, Mazaffarpur ...	...	4	...	...	...	3	1	2	37'5
8	Sanskrit College ...	4	2	...	2	...	1	3	4	35'0
9	B. M. Institution, Barisal ...	...	6	...	...	...	4	2	2	33'3
10	Scottish Churches ...	28	133	3	12	5	67	74	51	33'06
11	Patna College ...	2	34	...	2	1	17	16	9	32'8
12	Metropolitan ...	2	90	...	...	3	51	38	19	30'3
13	B. N. College, Bankipur ...	...	10	...	...	1	4	5	1	30'3
14	St. Columbu's, Hazaribagh ...	2	10	...	1	...	5	6	2	28'5
15	Ravenshaw, Katak ...	5	13	...	2	1	5	10	3	28'2
16	Rajshahi „ ...	2	19	...	1	1	8	11	3	28'2
17	City College ...	9	84	...	4	3	36	50	4	26'4
18	Bangabasi College ...	3	21	1	1	...	7	15	-1	25'9
19	Berhampur Krishnath College ...	8	52	...	3	1	22	34	-1	24'2
20	Dacca College ...	4	27	2	...	...	14	15	7	22'6
21	„ Jagannath ...	2	38	...	1	...	11	28	-14	17'5
22	Bhagalpur T. N. Jubilee... ..	...	25	...	...	...	8	17	-9	16'0
23	Ripon College ...	4	104	...	1	...	30	77	-44	14'7
24	Hugli „ ...	2	15	...	...	...	5	12	-7	13'1



Serial No.	Name of College.	Number appeared.	Passed.			Number unsuccessful.	Aggregate achievement.	Percentage of success.	REMARKS.
			1st Dvsn.	2nd Dvsn.	3rd Dvsn.				
1	Cotton College, Gauhati ...	17	5	11	...	1	41	61.7	
2	Murarichand College Sylhet ...	13	3	8	...	2	26	53.8	
3	Chittagong College ...	19	6	7	2	4	36	52.6	
4	Patna College ...	40	12	13	3	12	65	48.1	
5	P. M. College Tangail ...	24	7	8	...	9	35	45.8	
6	Bishops' College ...	8	1	5	...	2	12	43.7	
7	Baptist College, Rangoon ...	10	1	6	...	3	13	40.0	
8	Presidency College ...	64	18	15	...	31	71	39.8	
9	Daulatpur Hindu Academy ...	31	3	17	1	10	37	37.9	
10	B. B. College, Mazaffarpur ...	18	4	5	...	9	17	36.1	
11	Victoria College, Cooch-Bihar ...	46	6	18	6	16	50	35.8	
12	Uttarpara College ...	12	1	6	1	4	13	35.4	
13	Scottish Churches College ...	113	21	34	4	54	102	31.5	
14	Krishnagar College ...	24	4	7	3	10	23	34.3	
15	Bhawanipur L. M. S. Inst. ...	19	2	8	2	7	19	34.2	
16	Victoria College, Narail ...	23	4	7	1	11	20	33.6	
17	Ravenshaw College, Katat ...	61	12	14	...	35	41	31.1	
18	Burdwan Raj College ...	33	6	8	...	19	21	30.3	
19	Krishna Chandra College Hetampur ...	29	4	9	...	16	18	29.3	
20	Rangoon College ...	71	9	21	2	39	41	28.1	
21	St. Xavier's College ...	42	2	10	2	28	2	27.8	
22	Krishnanath College Berhampur ...	101	9	35	3	54	55	26.9	
23	Columba's College Hazaribagh ...	26	2	8	3	13	14	25.9	
24	Bethune College ...	13	...	6	1	6	7	25.0	
25	Diocesan Mission College ...	2	...	1	...	1	1	25.0	
26	Wesleyan Mission College Bankur ...	37	3	12	...	22	21	24.3	
27	Mymensingh A. M. College ...	53	3	16	3	31	16	22.1	
28	C. M. S. College ...	8	...	3	1	4	3	21.8	
29	Dacca College ...	106	9	27	2	68	24	21.7	
30	Metropolitan Institution ...	189	13	50	7	119	40	21.3	
31	Rajshahi College ...	96	8	22	2	64	14	20.3	
32	B. M. Institution, Barisal ...	47	5	7	2	33	3	19.1	
33	Ripon College ...	124	15	15	3	91	2	18.6	
34	Victoria College, Comilla ...	65	5	14	...	46	2	18.5	
35	Hugli College ...	30	3	4	2	21	1	18.3	
36	Bangabasi College ...	59	2	17	1	39	4	18.2	
37	Midnapur College ...	39	2	9	2	26	2	17.5	
38	Central College ...	16	1	3	1	11	0	17.1	
39	Sanskrit College ...	9	1	1	...	7	-1	16.6	
40	City College ...	185	8	40	10	127	-5	16.4	
41	T. N. Jubilee College, Bhagalpur ...	54	3	9	3	39	-6	15.2	
42	Dacca Jagannath College ...	145	6	29	3	107	-22	14.6	
43	B. N. College, Bankipur ...	57	1	12	4	40	-8	14.03	
44	Pabna College ...	32	2	4	3	23	-8	11.7	
45	Diamond Jubilee Monghyr ...	8	...	1	...	7	-5	6.2	

## REVIEWS OF BOOKS.

**The Open Sesame of English Synonyms.** By R. P. De. **Rs. 1**—1910. Published by N. P. Banerjee,—Nababivakar Press, 91-2 Mechuabazar Street, Calcutta. The four special features of this handy book on English Synonyms are—(1) elucidation of the synonyms by corresponding Bengali equivalents ; (2) etymological tracings of the words taken up in the book ; (3) short, easy sentences illustrating the use of those words ; (4) copious illustrations of the same from the works of standard writers. The author has evidently spared no pains to make his book as useful and valuable to students of English as possible. The use of Bengali equivalents to explain English synonyms will go a great way towards removing the chief stumbling block in a Bengali student's mastery of these mysteries—*viz.*, the want of a sense of familiarity and an inner grasp of the native significance of such words and an insight into the exact shades of their meanings, which is only possible through the medium of the vernacular. It is of course natural that sometimes there is a difference in the use of two words which is too subtle or too characteristic of the English tongue to admit of proper expression through our language, but the author has always tried to find us exact equivalents of the English words as far as possible. There are a few words here and there, the proper significance of which could have been brought out more fully and adequately. Altogether we can say that out of about 500 synonyms illustrated in this book, almost all have received an excellent and thoughtful treatment, and every student of English can expect to be benefited by having such a book with him. The illustrations from standard writers form a very valuable feature of the work. We hope this book will command a large sale.

**The student's Matriculation Geometry, Books I—IV.** By Sarada Kanta Gangopadhyaya, M. A., Formerly Professor of Mathematics T. N. Jubilee College, Bhagalpur. Second Edition. Published by the Students Library, Calcutta and Dacca. **Rs. 1-4.**

The fact that the first edition of a text-book like this has been exhausted within a year, and a second edition has been found necessary, points to the fact that it has been well received by students as well as teachers, and has answered the requirements of Matriculation students better in some directions than the existing treatises. The author has evidently taken much pains to bring the book quite up to the mark required by the Matriculation students of the Calcutta University. The propositions have been arranged in conformity with the University syllabus ; while a large amount of explanatory matter has increased the usefulness of the treatise. Different proofs of the propositions have been given whenever available. Direct proofs of some theorems hitherto known to the average student, through indirect proofs, form a valuable feature of the book.

There is no lack of examples and exercises, there being about 1000 of them. The "questions for examination" are designed to form the test of an intelligent understanding of the propositions, and to enable them to enter into them more deeply than the ordinary student cares: they ought to prove valuable to the students. We think the author might have added a larger number of harder examples for those who take up the Additional paper. Perhaps it would have been better, with regard to the exercises, to keep a running section for the advanced students, seeing that the two-fold divisions in examination will sift the boys of higher mathematical calibre from all the rest, and these will require a higher mathematical training. The chapter on Loci deals with a most interesting subject, but it has been despatched within 6 pages. The examples in loci too are very meagre in number. The book on Problems does not appear to have been treated with the fulness which we expected from the author. Too many of the examples in this part are of so elementary a nature that an intelligent student can tackle them even without the help of pencil and paper. The 3 chapters on Miscellaneous Theorems and the one on Miscellaneous Problems deal with important propositions not given in the Syllabus; as a supplement to the latter, this portion ought to prove really valuable. Though this section comprises 39 propositions, yet we believe it could have been made fuller and more complete than it is at present. The complete sundering of the problem-portion from the theorem-portion has its disadvantage when applied to the examples appended to the propositions: for there may be problems (*e. g.* the last problem in this year's Additional Paper) which obviously depend directly on some theorem, and which are best placed in the theoretic portion. We are glad that the author has inserted a few Sanskrit rules in his book, though there is an obvious mistake thrice repeated on page 156 and a typographical blunder on page 162. On the whole we have no hesitation in saying that this book will yield to no other in the market in point of usefulness and in giving a sound geometrical to the student, so far as the needs of the Matriculation examination is concerned.

**Conic Sections Made Easy.**—By the same author **As. 8.**

This treatise too has been written according to the syllabus laid down by the Calcutta University. The proofs given are simple and clear, after the manner of Euclid. Thus the author has not scrupled, where necessary to replace the brevity in some existing text-books by simplicity, even at the cost of being a little lengthy in his proofs in some cases. The treatment of the propositions leaves nothing to be desired. There are 275 examples which appear to have been selected and arranged with much care and discrimination. An appendix gives an alternative proof of a proposition on ellipse, and hints to the solution of the harder examples given in the book. We have no hesitation in recommending this book for the use of those for whom it is intended.

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